

# APPENDIX I - Road Issues and Concerns, and Resource Concerns

This appendix was developed by input and review from District specialists. It provides a watershed scale look at the transportation system, identifying general resource issues and concerns. This document will provide the basis at a later date for the development of a Transportation Plan.

For discussion purposes, the transportation system is broken into three areas: South Fork Scott River, French and Sugar Creek, and Etna Creek. The resource concerns are first identified for each road or roads. The attributes and definitions used by each resource are then listed at the end of this section.

## SOUTH FORK SCOTT RIVER

Roads included in this area are south of Forest Highway (FH) 93.

Some roads in this area are closed seasonally during wet weather or for wildlife protection. Other roads and temporary spurs are closed year-round (to avoid road surface problems). The other road systems including temporary spurs are open to the public. There is a history of small fill slope failures, sedimentation to some streams, cut bank raveling, road surface erosion, and vegetation encroaching upon the travelway.

List of roads within this drainage area and outside the LSR: 39N01, 39N01A, 39N01B, 39N01C, 39N02, 39N02A, 39N10B, 39N11, 39N16, 39N18, 39N18A, 39N63, 39N70, 39N70A, 39N70B, 40N02C, 40N02D, 40N14, 40N17A, 40N17C, 40N17D, 40N21, 40N21Y, 40N21YC, 40N24, 39N10 (trailhead access), 39N63A (trailhead access), 39N69 (trailhead access), 40N02 (Lookout access), 40N16 (trailhead and Lookout access), 40N17 (trailhead access), 40N59 (guard station access), temporary spurs, and County roads; 1C02, and 2H002.

List of roads within this drainage area and the LSR: 39N02, 39N02A, 39N10, 39N10B, 39N70, 39N70A, 39N70B, 40N17 (part), 40N17C, 40N21 (part), 40N24 (part), and temporary spur roads.

## DISCIPLINES

### WILDLIFE

#### Issues:

- Designated as a Late-Successional Reserve
- Open Road Density and Habitat Fragmentation

### Resource Concerns:

- Manage access to protect and enhance condition, serve habitat for Late-Successional Reserve
- Reduce open road density by considering decommissioning temporary roads

### FIRE

#### Issues:

- Fire Management Access (Key Location for strategic Fire Management)
- Vegetation encroachment on roads (loss of fuel breaks)

#### Resource Concerns:

- Critical roads to be maintained and accessible during fire management season; 39N01, 39N10, 39N63, 39N70, 40N16, 40N17, 40N21, 40N21Y, and 40N59
- Develop active program to manage vegetation encroachment

### CULTURAL RESOURCES

#### Issues:

- Potential disturbance of Historic/Prehistoric properties through road construction or maintenance
- Protect known sites that are on the National Register of Historic Places

#### Resource Concerns: (further surveys needed)

### VISUAL QUALITY

#### Issues:

- Visibility of roads (including cut/fill slopes, and location) from visually sensitive viewing.

#### Resource Concerns: (further surveys needed)

### LAW ENFORCEMENT

#### Issues:

- Current Uses

#### Resource Concerns:

- Need to determine if current uses should be encouraged or restricted
- Other user that should be analyzed is Snow mobile
- Maintain access for private land owners; Roads 40N16, and 40N17

### TIMBER

#### Issues:

- Management of plantations and vegetation manipulation for other resource concerns

#### Resource Concerns:

- Maintain existing road system for access.
- Most of the temporary road system should be maintain for access

### RECREATION

**Issues:**

- Trailhead access 39N10, 39N16, 39N63, 39N69, and 40N17. Trailheads access East Boulder, South Fork Meadows, Middle Boulder, Fox Cr. Ridge, and Slide Cr.
- General users (hikers, hunting and wood collection)
- Vegetation encroachment on roads
- OHV use areas

**Resource Concerns:**

- Continue seasonal access to trailhead
- Provide access for other users
- Provide and maintain trailhead access road system for assigned maintenance level
- Reduce vegetation encroachment
- Allow mountain bike use
- Where is OHV traffic allowed

**FISHERIES/HYDROLOGY/SOILS****Issues:**

- Road density, proximity to streams, and sedimentation from roads 39N18, 40N21, 40N21Y, 40N21YC, 40N24, 40N17, and temporary roads

**Resource Concerns:**

- Minimize sedimentation from roads
- Identify problem areas and prioritize correction or mitigate adverse impacts
- The types of concerns for these resources include:
  - Sedimentation
  - Road drainage problems
  - Road density in subwatershed
  - Crossings
  - Proximity to stream
- Road density has not been analyzed yet, so the above concerns may be added for groupings of roads.

Comments are included here which may pertain to other resources. Some opportunities to improve known problems are suggested. These may fit better under Step 6.

This known information is based upon road logs and watershed improvement needs inventories (WINI) as of 6/27/95.

**KNOWN FISH AND WATER PROBLEMS****40N17, 40N21, and 40N24 Potential Concerns:**

**Sedimentation** - Eroding granitic cutslopes and travelway can be a sediment contributor. Several spots on all three roads exhibit erosion and potential sediment contribution with some erosion continuing into and through cut blocks.

**Drainage** - All three roads are lacking proper drainage which is leading to road erosion in several areas. Short stretches with water running down travelway.

**Other Comments** - Roads are not regularly maintained which has rocks and debris on existing travelway. Consider adding rolling dips (type III), surface rock to reduce potential erosion and reduce encroachment of vegetation. Consider some form of

closure or decommission of travelway on road 40N24 and all unmarked roads because of proximity to Wolf Creek.

**39N18, 39N18A and 40N17 Potential Concerns:**

**Sedimentation** - eroding granitic cutslopes, raw fillslope all contribute to potential sediment problems.

**Drainage** - All three roads are lacking proper drainage and road maintenance which leads to erosion problems.

**Other Comments** - Roads are not regularly maintained. Consider narrowing travelway, out-sloping, surface material, remove culverts to reduce sedimentation and road maintenance. Evaluate existing culverts to determine adequate culvert size for 100 year flood and replace undersize culverts. Consider some form of closure 39N18, 39N18A, and all temporary roads that influence South Fork Scott.

**40N21, and 40N21YC Potential Concerns:**

**Sedimentation** - Has several areas of sediment contribution into main tributaries of South Fork Scott.

**Drainage** - Steep grades contribute some erosion problems in several areas.

**Other Comments** - Road has several problem areas associated with granitic cut banks slumping into road along with areas of small rock slides into road from cut banks. Consider some form of surface material and proper drainages (rolling dips type III). Bridge approaches was repaired FY 96 under a timber sale.

**39N10 Potential Concerns:**

**Sedimentation** - Has several areas of sediment contribution due to fill slope and road surface failure and erosion.

**Drainage** - On steep grade, lack of proper drainage and road maintenance which leads to road erosion problems into East Boulder Creek.

**Other Comments** - Road has many areas of small rock slides and slumps into road. Consider some form of surface material and proper drainages. Road system leads to a trailhead with heavy use. Evaluate existing culvert size to determine adequate culvert size for 100 year flood and replace undersize culverts.

**LANDS AND MINERALS****Issues:**

- Access to private lands and temporary roads off county road

**Resource Concerns:**

- Determine if current use should be encouraged or restricted

**RANGE****Issues:**

- Access to drop-off points for livestock within the watershed. Road 39N10A, and 40N17

**Resource Concerns:**

- Maintain access and increase size of turnaround to drop-off point

## **ROAD MANAGEMENT**

### **Issues:**

- Roads that are not needed for management of the National Forest
- Reduce road maintenance
- Traffic management for travel access
- Management of aggregate source

### **Resource Concerns:**

- Analyze and decommission roads no longer needed
- Identify roads requiring permanent /seasonal closures
- Assign appropriate maintenance level to all roads
- Identify and correct problems contributing to high maintenance cost
- Install and maintain signs that corresponds with Forest Visitor's Map, and provide for adequate direction and users safety
- Look for and investigate future aggregate source that are environmentally sound

## **FRENCH AND SUGAR CREEK DRAINAGE**

Roads included in this area starts northern limit of Etna Mtn. down Clark Creek over to McConaughy Gulch to its most southern limit of FH 93 up Hayden Ridge.

In 1990 the French Creek Watershed Advisory Group was signed by 13 representatives. As a result of this agreement significant rocking, reshaping and out-sloping has been accomplished in the past five years on much of this system. This work has resulted in a significant reduction in sediment into the French, Miner, Sugar, and Wildcat Creek systems.

NEPA requirements need to be met for some roads within this area to change road maintenance objective levels because gates have been installed to close them from wet weather use.

Some roads within this area are closed seasonally during wet weather or for wildlife. Other roads and temporary roads are closed year-round (to avoid road surface problems). The other road systems, including temporary spur roads, are open to the public. There is a history of small fill slope failures, sedimentation to some streams, cut bank raveling, road surface erosion and vegetation encroaching upon the travelway.

Roads within this drainage area are: 39N11, 39N48, 39N48A, 40N04, 40N09, 40N11, 40N19, 40N20, 40N22A, 40N23, 40N23A, 40N25, 40N26, 40N26B, 40N27, 40N37, 40N65, 40N66, 40N66B, 40N74, 40N75, 40N83, 41N15, 41N15A, 41N16B, 41N16C, 41N16D 41N16E, 40N22 (trailhead access), 40N82 (trailhead access), 41N14 (trailhead access),

41N14A (trailhead access), 41N16 (trailhead access), temporary spurs, and County roads; 2G001 (trailhead access), 2H001, 3G002, 3G003, 3G004, 3G006, and 4G01.

## **DISCIPLINES**

### **WILDLIFE**

#### **Issues:**

- Three designated Late-Successional Reserves
- Open road density and habitat fragmentation

#### **Resource Concerns:**

- Manage access to protect and enhance condition, serve habitat for Late-Successional Reserve
- Reduce open road density by considering decommissioning roads, or reshaping for extended closure

### **FIRE**

#### **Issues:**

- Fire management access (key location for strategic fire management)
- Vegetation encroachment on roads (loss of fuelbreaks)

#### **Resource Concerns:**

- Critical roads to be maintained and accessible during fire season; 39N11, 39N46, 40N20, 40N22, 40N23, 40N26, 40N30, 40N37, 40N82, 41N14, 41N15, and 41N16
- Develop active program to manage vegetation encroachment

## **CULTURAL RESOURCES**

#### **Issues:**

- Potential disturbance of historic/prehistoric properties through road construction or maintenance
- Protect known sites that are on the National Register of Historic Places

#### **Resource Concerns:** (further surveys needed)

## **VISUALS QUALITY**

#### **Issues:**

- Visibility of roads (including cut/fill slopes, and locations) from visually sensitive viewing

#### **Resource Concerns:** (further surveys needed)

## **LAW ENFORCEMENT**

#### **Issues:**

- Current uses

#### **Resource Concerns:**

- Determine if current uses should be encouraged or restricted
- Maintain access for private land owners; 40N22

## **TIMBER**

#### **Issues:**

- Management of plantations and vegetation manipulation for other resource concerns

#### **Resource Concerns:**

- Maintain existing road system for access
- Most of temporary road system should be maintained for access

## RECREATION

### Issues:

- Trailhead access 40N22, 40N82, 41N14, 41N14A and 41N16
- Trailhead access Bingham Lake, Duck/Eaton and Paynes
- General users (hunting and wood collection)
- OHV use
- Road 41N15

### Resource Concerns:

- Continue yearly access to trailhead
- Provide access for other users
- Provide and maintain trailhead access road system for assigned maintenance level
- Reduce vegetation encroachment
- Allow mountain bikes
- Analyze 41N15 for trailhead access
- Where is OHV allowed

## FISHERIES/HYDROLOGY/SOILS

### Issues:

- Road density, proximity to streams, and sedimentation from roads 39N11, 40N23, 40N26, 40N75, 40N82, 41N14, 41N16, 41N16B, 41N16C, 41N16D, 39N61, County roads; 2G001, 3G002, 2H001, and temporary spurs

### Resource Concerns:

- Minimize sedimentation from roads
- Identify problem areas and prioritize correction or mitigate adverse impacts (rock surface, narrow travelway, remove culverts, build rock rolling dips)

### 40N23 Potential Concerns:

**Sedimentation** - Several spot on road system exhibit erosion and potential sediment contribution to Tiger Fork Creek.

**Drainage** - The road lacks proper drainage which leads to road erosion in several areas. Water traveling down wheel ruts and plugged ditch lines.

**Other Comments** - Road is not regularly maintained which has rocks and debris on surface from existing cut banks and encroachment of roadside vegetation. Adding rolling dips (type III) and surface rock to reduce potential erosion. Area where road fill slope reaches the existing creek needs some type of sedimentation protection to reduce sedimentation. Wolf Creek culvert plugs yearly. Evaluate all culvert sizes using 100 year flood standards.

## LANDS AND MINERALS

### Issues:

- Access to private lands
- Temporary roads off County and Forest roads

### Resource Concerns:

- Determine if current use should be encouraged or restricted

## RANGE

### Issues:

- Access to drop-off points for livestock

### Resource Concerns:

- Maintain access to drop-off points

## ROAD MANAGEMENT

### Issues:

- Roads not needed for management of National Forest
- Reduce road maintenance.
- Traffic management for travel access

### Resource Concerns:

- Analyze and decommission roads no longer needed
- Identify roads requiring permanent/seasonal closures
- Assign appropriate maintenance level to all roads
- Identify and correct problems contributing to high maintenance costs
- Install and maintain signs corresponding with Forest Visitor's Map, and provide for adequate direction and users safety

## ETNA CREEK

Roads included in this area starts most southern limit at McConaughy Gulch to Etna Mtn. to the most northern limit which is Whisky Butte through community of Etna, across Denny Point down to McConaughy Gulch.

Forest Service roads within this drainage, other roads and temporary roads are closed year around (to avoid road surface problems). The other road systems including temporary spur roads are open to the public. There is a history of small fill slope failures, sedimentation to some streams, cut bank raveling, and road surface erosion. Vegetation encroaching upon the travelway.

Roads within this drainage area are: 41N17, 41N20, 41N21, 41N30 (trailhead access), temporary spurs, and County roads; 1C01 (trailhead access)

## DISCIPLINES

## WILDLIFE

### Issues:

- Open Road Density and Habitat Fragmentation

### Resource Concerns:

- Manage access to protect/enhance habitat condition
- Reduce open road density by considering decommissioning roads, most temporary spurs

## FIRE

### Issues:

- Fire Management Access (key location for strategic fire management)
- Vegetation encroachment on roads (loss of fuelbreaks)

**Resource Concerns:**

- Critical roads to be maintained and accessible during fire season; 41N21
- Develop program to manage vegetation encroachment

**CULTURAL RESOURCES**

**Issues:**

- Potential disturbance of historic/Prehistoric properties through road construction or maintenance.
- Protect known sites listed in the National Register of Historic Places.

**Resource Concerns:** (further surveys needed)

**VISUALS QUALITY**

**Issues:**

- Visibility of roads (including cut/fill slopes, and locations) from visually sensitive viewing

**Resource Concerns:** (further surveys needed)

**LAW ENFORCEMENT**

**Issues:**

- Current Uses

**Resource Concerns:**

- Determine if current uses should be encouraged or restricted

**TIMBER**

**Issues:**

- Management of plantations and vegetation manipulation for other resource concerns

**Resource Concerns:**

- Maintain existing road system for access
- Most of the temporary road system should be maintain for access

**RECREATION**

**Issues:**

- Trailhead access 41N30
- Trailhead access Etna Trailhead
- General users (hikers and hunters)
- OHV use

**Resource Concerns:**

- Continue yearly access to trailhead
- Provide access for other users
- Provide and maintain trailhead access road system for assigned maintenance level
- Reduce vegetation encroachment
- Where OHV use permitted

**FISHERIES/HYDROLOGY/SOILS**

**Issues:**

- Road density, proximity to streams, Sedimentation from temporary roads.

**Resource Concerns:**

- Minimize sedimentation from roads
- Identify problem areas and prioritize correction or miti-gate adverse impacts (rock surface, narrow travelway, remove culverts, build rock rolling dips, close road systems)

**LANDS AND MINERALS**

**Issues:**

- Access to private lands temporary roads off County and Forest roads

**Resource Concerns:**

- Determine if current use should be encouraged or restricted

**RANGE**

**Issues:**

- Access to drop-off points for livestock within the watershed

**Issues:**

- Maintain access to drop-off points

**ROAD MANAGEMENT**

**Issues:**

- Roads not needed for management of National Forest

- Reduce road maintenance

- Traffic management for travel access

**Resource Concerns:**

- Analyze and decommission roads no longer needed
  - Identify roads requiring permanent/seasonal closures
  - Assign appropriate maintenance level to all roads
- Identify and correct problems contributing to high maintenance cost
- Install and maintain signs that corresponds with the Forest Visitor's Map, and provide for adequate direction and users safety

**RESOURCE ATTRIBUTES AND DEFINITIONS USED FOR IDENTIFYING ROAD CONCERNS**

**WILDLIFE**

**Disturbance** - Deals with disturbance in terms of proximity to active nest sites for threatened, endangered, or sensitive species. Deals with harassment to some of the critical games species.

**Fragmentation** - Deals with fragmentation of habitats for particular species.

**Road Density** - Deals with areas of high road density. Can be closely correlated with the harassment issue and fragmentation of habitats.

**FIRE**

**Critical Roads** - Roads critical for fire access, control points, and those that provide a fuelbreak situation.

**Important Roads** - Roads for fire access and those that are needed for strategic type project work (e.g., prescribed burning, fuels clean-up, etc.).

## **VISUAL QUALITY**

Visual effects are being analyzed as roads or portions of roads that may not currently meet the established VQO for the area. Roads addressed here are designated as needing additional field verification for actual vantage points and locations in need of visual restoration.

## **CULTURAL RESOURCE**

Protection and field verification for actual known sites and future historic or cultural sites.

## **LAW ENFORCEMENT**

**Problems** - Will highlight which roads or system of roads currently encountering law enforcement problems.

**Current Use** - Roads that need to have current use analyzed. It may not necessarily be an enforcement problem, but needs to be explored to see if current use needs to be encouraged or restrictions need to be implemented. Other uses that have the potential to encourage or discourage use, include snowmobiles, mountain bikes, and four-wheel-drive vehicles.

**Needs** - Will identify roads or road system law enforcement needs for access and personal safety.

## **TIMBER**

**Matrix Lands** - Areas where access is needed for timber management opportunities.

**Other Lands** - Areas where access may be needed to provide vegetation manipulation for other resource concerns.

## **RECREATION**

**Trailhead Access** - Roads that currently serve trailheads access into the Marble Mountain Wilderness, Russian Wilderness, and Salmon Mountain Wilderness.

**General Recreation Use** - Roads that are heavily used for dispersed recreation (e.g., hunting, sightseeing, woodcutting, fishing, etc.).

## **FISHERIES/HYDROLOGY/SOILS**

**Stream Proximity** - Roads that are located very close to streams. This issue is very closely related to the chronic sedimentation issue for Watershed.

## **LANDS AND MINERAL**

**Active Claims** - Roads utilized for access to active mining claims.

**Private Land** - Roads needed to access private property or have special-use easements attached to them.

## **ROAD MANAGEMENT**

**Notes** - Roads below maintenance level 3 normally do not receive brush treatment along roads.

**Final Transportation Plan** - A realistic look at maintenance wants versus dollars expected needs to occur. Public input needs to be included in the decision making process.